

HDMI Cable Portable Tester

HD-901-36 HDMI cable portable tester is designed for professional HDTV installation, especially for DIY termination in the field. With this portable device, the installers can quickly test, troubleshoot and verify HDMI cables.

Equipped with dual modes, CONTINUITY and SWEEP, the tester can either test the DC continuity or sweep the pins one by one and detect the intercrossed adjacent pins which are beyond the common single mode continuity testers on the market.

Usage

● Continuity Mode:

In this mode, the device can test the continuity of each wire inside HDMI cable. Please see the table for pin and wire assignment in our HD-901 solderless HDMI DIY system.

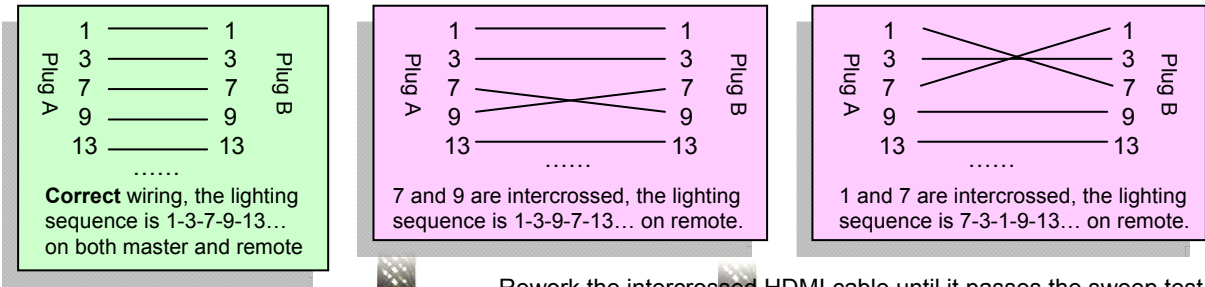
● Sweep Mode:

If the cable passes the continuity test but does not work on a real DVD-TV system, you can use the SWEEP mode to sweep all pins one by one sequentially for any intercross. This kind of fatal problem sometimes occurs with the adjacent wires of a twisted pair in field termination, but is always beyond common DC continuity tester.

Pin	Pin Assignment	Wire color	Pin	Pin Assignment	Wire color
4	TMDS 1+	Red	1	TMDS 2+	White
6	TMDS 1-	White	3	TMDS 2-	Brown
10	TMDS clock+	Green	7	TMDS 0+	White
12	TMDS clock-	White	9	TMDS 0-	Blue
14	Utility HEAC+	Yellow	13	CEC	White
16	SDA	Orange	15	SCL	Yellow
18	+5V Power	Red	19	Hot plug detect HEAC-	White

Sweep Test procedure:

- (1) Switch the tester to SWEEP mode, the LEDs on the master unit (transmitter) will light serially on each column;
- (2) Insert one plug of the cable into the master unit (transmitter) ;
- (3) Insert the other plug into the remote unit (receiver);
- (4) Check the LED lighting sequence on the remote unit (receiver). The reversed LEDs show intercrossed pins.
- (5) Three examples:



Rework the intercrossed HDMI cable until it passes the sweep test.

